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Status of claims 1 - 20

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R. Giovanni Fima

1.(currently amended) A system for monitoring and controlling water consumption, comprising:

a sensor for monitoring a water consumption parameter in a water-based system and for generating signals indicative of the operation thereof;

[a] at least one interface module for receiving signals from the sensor;

a fluid control device operable with the interface module for limiting the water consumption in the water-based system; and

a power panel for receiving a processor and ~~[one or more]~~ said at least one of said interface modules, said processor being in communication with at least one said interface module for interpreting signals from said sensor.

2.(canceled)

3.(original) A system as recited in claim 1, wherein the sensor comprises a fluid flow sensor to sense the water flow within a component of the water-based system.

4.(original) A system as recited in claim 1, wherein the sensor comprises a pressure sensor connected to sense the pressure inside a component of the water-based system to generate an output signal when the sensor pressure exceeds a predetermined threshold.

5.(currently amended) A system as recited in claim 1, wherein the fluid control device comprises a valve in [~~a~~] said water supply line ~~[of a component of the water-based system]~~.

6.(original) A system as recited in claim 1, wherein the interface module controls the fluid control device for disconnecting a water or energy source from the water-based system.

7.(original) A system as recited in claim 1, wherein the processor receives the signal from the sensor, and in response thereto, communicates with the interface module to close the valve in the water supply line.

8.(canceled)

9.(currently amended) A system as recited in claim 1, [~~wherein the processor is on a motherboard and the motherboard includes~~] including a motherboard with a communication port enabling communications via the processor.

10.(currently amended) A system as recited in claim [1] 9, wherein the motherboard includes an information port for establishing a computer network interface.

11.(original) A system as recited in claim 10, wherein the interface module is configured by a remote computer via the information port.

12.(original) A system as recited in claim 11, wherein the interface module is operable to configure an internet website.

13.(original) A method for monitoring and controlling water consumption, comprising:

generating signals indicative of a water consumption parameter sensed from a water-based system:

receiving the generated signals to monitor the water comsumption parameter;

operating a fluid control device for limiting the water consumption in response to the received signal; and

information processing of the received signal providing a communication interface for interpreting signals.

14.(currently amnded)) A method as recited in claim 13, wherein the water-based system resides in a ~~[residential or commercial and includes one or more of a sink, toilet, sdishwasher, washing machine, water heater, swimming pool and sprinkler subsystems,]~~ habital structure requiring monitoring and control of the water consumption thereof.

15.(original) A method as recited in claim 13, wherein the water-based system is a tank-less toilet comprising measurement and control of the water metered through the tank-less toilet system.

16.(original) A system for monitoring and controlling water consumption, comprising:

at least one sensor for monitoring a water parameter in a water-based system;

a processor in communication with the at least one sensor and for monitoring and controlling the water consumption; and

a fluid control device operable with the processor for limiting the consumption of water in the water-based system.

17.(original) The system as recited in claim 16, wherein the processor is in a housing providing a circuit box for receiving the at least one sensor and receiver, each of the at least one sensor or receiver acting as a circuit breaker of the monitored water-based system to protect from malfunction of the water-based system.

18.(original) A system as recited in claim 16, wherein the processor is connected to a network bi-directional data communications device.

19.(original) A system as recited in claim 16, wherein the processor is connected to a multi media interface for interactive video communicationa, for identifying a location in which the monitored water-based system operates.

20.(original) A system as recited in claim 16, and a motherboard for receiving said processor, the motherboard having a connevction for electronically communicating with one or more processors on other motherboards.